

ABSTRACT

An object is to provide a motor-driven injection molding machine in which responsibility of a member-to-be-driven can be enhanced, as well as a molding method using the same. The motor-driven injection molding machine includes a member-to-be-driven; a motor for operating the member-to-be-driven; and a motion direction conversion portion disposed between the motor and the member-to-be-driven and adapted to convert to a linear motion a rotational motion of rotation generated by driving the motor. In the motor, the ratio of the stacking length of a magnet of a rotor (56) to the inside diameter of a stator (57) is 3 or more. In this case, since, in the motor, the ratio of the stacking length of the magnet of the rotor (56) to the inside diameter of the stator (57) is 3 or more, responsibility of the member-to-be-driven can be sufficiently enhanced.